

Module Code	ZZ-1103		
Module Title	Introduction to Digital Transformation		
Degree/Diploma	Bachelor of Digital Science		
Type of Module	Degree Core		
Modular Credits	4	Total Student Workload	10 hours/week
		Contact Hours	4 hours/week
Prerequisite	None		
Anti-requisite	None		
Aims			
Students will learn using digital technologies to create new or modify existing businesses. The module aims to teach digital innovation to understand potential of the technology to reshape company business.			
Learning Outcomes			
<i>On successful completion of this module, a student will be expected to be able to:</i>			
Lower order:	20%	<ul style="list-style-type: none"> • understand digital transformation process • understand digital disruption • understand mechanics of digital transformation 	
Middle order:	30%	<ul style="list-style-type: none"> • apply digital transformation workflow • apply technology tools in business processes for digital transformation • analyse and apply digital transformation for a company 	
Higher order:	50%	<ul style="list-style-type: none"> • evaluate processes to apply digital transformation • evaluate new or existing business processes for digital transformation • evaluate critical factors of digital transformation 	
Module Contents			
Introduction to Digital Transformation: Path to digital transformation, Strategy; Fourth Industrial Revolution; Strategic Agility			
Disruption: Mechanics of Disruption; Technology-Enabled Disruptions; Online Business Models; Competitive Advantage with Information Capabilities			
Critical Factors: Teamwork; Process; Information; Transformation; Culture; Risk management; Common transformation risks			
Technology usage: Cloud computing; Mobile computing; Blockchain; Augmented, Virtual, and Mixed Reality; Internet of Things; Artificial Intelligence, Big Data			
Assessment	Formative Assessment	Interactive Quizzes and Feedback	
	Summative Assessment	Examination: 30% Coursework: 70% <ul style="list-style-type: none"> - Two Class Tests (30%) - Two Class Quizzes (10%) - One Oral Presentation (15%) - One Project (15%) 	